

Abstract of the Disclosure

A quantitative measurement of the progress of a polynucleotide amplification reaction can be made by: (i) carrying out a reaction for the amplification of a target polynucleotide; (ii) either during or after the amplification reaction contacting the amplified product with a molecule that binds to or interacts with a polynucleotide, the molecule being located in a spatially defined position or being determined via a non-linear or non-fluorescent technique; and (iii) detecting the interaction between the amplified product and the molecule by measuring changes in radiation.